

**Notice of Allowability**

Application No.	Applicant(s)
09/852,196	GEYER ET AL.
Examiner	Art Unit
Mark Spisich	1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to amendment filed 22 December 2003.

2.  The allowed claim(s) is/are 1,2,4-14,16-19,31 and 39-42.

3.  The drawings filed on 22 December 2003 are accepted by the Examiner.

4.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)  All    b)  Some\*    c)  None    of the:

1.  Certified copies of the priority documents have been received.

2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.

3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.

(a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached  
1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.

(b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of  
Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**

7.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application (PTO-152)
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_



Mark Spisich  
Primary Examiner  
Art Unit: 1744

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with John F. Klos on 4 March 2004.

The application has been amended as follows:

**IN THE CLAIMS:**

Claim 1, line 24, change "bore and the head" to – head and the bore --.

Claim 1, line 28, delete "first" and insert – second --.

Claim 4, line 4, after "housing" insert – member --.

Claim 5, line 2, after "maintenance" insert – vehicle --.

Claim 9, line 2, delete "first" and insert – second --.

Claim 12, line 18, delete "first" and insert – second --.

Claim 13, line 3, before "cylindrical" insert – substantially --.

Claim 16, line 1, delete "15" and insert – 12 --.

Claim 16, line 2, delete "said".

Claim 17, line 2, before "cylindrical" insert – substantially --.

Claim 18, line 1, delete "15" and insert – 12 --.

Claim 19, lines 1-3, delete "wherein said....first cam member; and,"

Claim 19, line 4, after "wherein" insert – ridge feature of --.

Claim 19, line 4, delete "further comprises" and insert – is formed as --.

Claim 19, line 4, delete "formed on said first side".

Claim 31, line 5, delete "first" and insert – second --.

Claim 31, line 21, before "first" insert – respective --.

Claim 31, line 22, change "structure" to – structures --.

Claim 31, line 23, change "head" to – heads --.

Claim 31, line 24, delete "each" and insert – a respective one --.

Claim 31, line 24, change "structure" and insert – structures --.

Claim 31, line 24, after "side" insert – of each cam member --.

Claim 31, line 25, after "engage" insert – respective ends of --.

Claim 39, line 7, delete "second" and insert – first --.

Claim 39, line 8, delete "first" and insert – second --.

Claim 40, lines 1 and 2, delete "first" and insert – second --.

Claim 41, line 2, delete "rotary brush assembly" and insert – cylindrical brush member --.

Claim 42, line 3, change "bore and the head" to – head and the bore --.

Claim 42, line 4, delete "a" (1<sup>st</sup>) and insert – the --.

2. Claims 1, 9,12 ,39,40 and 42 were amended because the first and second apertures were reversed (relative to the head and the bore). Claims 4-5,13,16-18 and 41 were amended to correct minor errors. Claims 16 and 18 were further amended as they depended from a deleted claim. Claim 19 was amended because it duplicated

some elements which were recited in claim 12. Claim 31 was amended to clearly define that the coupling mechanisms are at each end of the brush..

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Spisich whose telephone number is (571) 272-1278. The examiner can normally be reached on M-Th (6-3:30), Alternate Fri off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert J Warden can be reached on (571) 272-1281. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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